

9/30/04

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application once entered by the Examiner:

1-51. (Canceled).

52. (Currently Amended) A method for measuring protein S activity in a test plasma sample comprising:

- (a) mixing a sample of test plasma with protein S deficient plasma,  
at least one recombinant tissue factor selected from the group consisting of recombinant rabbit, recombinant porcine, recombinant equine and recombinant human tissue factors,  
purified or synthetic phospholipids comprising phosphocholine, phosphoserine and phosphoethanolamine[.],  
activated protein C,  
calcium ion,

and measuring a clotting time of the sample,

(b) comparing the measurement in (a) to a standard curve derived from clotting times of plasma samples having a range of known protein S activities.

53. (Previously Presented) The method of claim 52 wherein the phospholipids comprise 1,2-dioleoyl-sn-glycero-3-phosphocholine, 1,2-dioleoyl-sn-glycero-3-phospho-L-serine and 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine.

54. (Previously Presented) The method of claim 53 wherein the molar ratio of 1,2-dioleoyl-sn-glycero-3-phosphocholine, 1,2-dioleoyl-sn-glycero-3-phospho-L-serine and 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine is about 3 to about 4 to about 5.

55. (Previously Presented) The method of claim 52 wherein the activated protein C has been activated by thrombin.

56. (Previously Presented) The method of claim 52 wherein the activated protein C has been activated by snake venom.

OK to enter 312 Amendment  
12/7/04  
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